NETGEAR®

N300 WiF Range Extender

Model EX2700

User Manual



October 2015
202-11395-02

350 East Plumeria Drive
San Jose, CA 95134
USA

Support

Thank you for selecting NETGEAR products.

After installing your device, locate the serial number on the label of your product and use it to register your product at *https://my.netgear.com*. You must register your product before you can use NETGEAR telephone support. NETGEAR recommends registering your product through the NETGEAR website.

For product updates and web support, visit *http://support.netgear.com*.

Phone (US & Canada only): 1-888-NETGEAR.

Phone (Other Countries): Check the list of phone numbers at *http://support.netgear.com/general/contact/default.aspx*.

Compliance

For regulatory compliance information, visit *http://www.netgear.com/about/regulatory*.

See the regulatory compliance document before connecting the power supply.

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1 Overview

The WiFi Range Extender boosts your existing network range and speed.

This chapter covers the following topics:

- *Meet Your Extender*
- *When to Use Your Extender*
- *How the Extender Works*

Note: For more information about the topics covered in this manual, visit the support website at *support.netgear.com*.

Note: Firmware updates with new features and bug fixes are made available from time to time on *downloadcenter.netgear.com*. Some products can regularly check the site and download new firmware, or you can check for and download new firmware manually.

Meet Your Extender

Before you install your extender, familiarize yourself with its LEDs, buttons, and port.

Front Panel

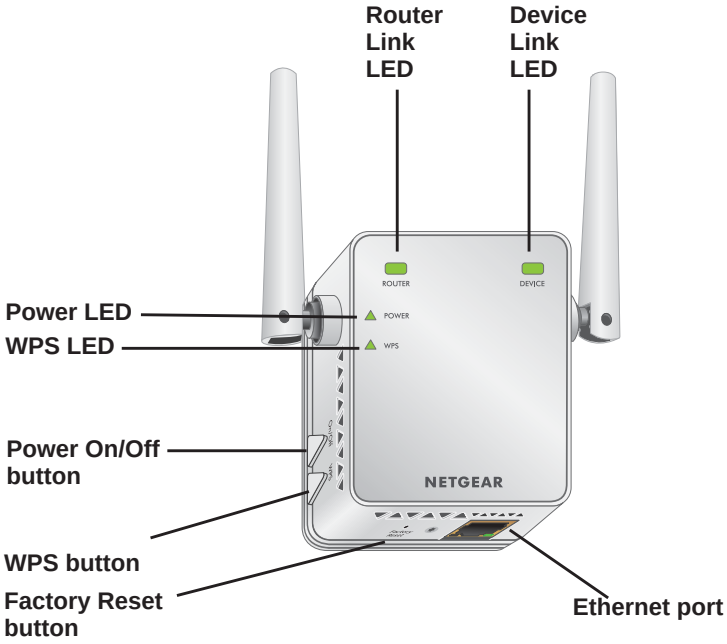


Figure 1. Front panel

The following table describes the LEDs.

Table 1. Front panel LEDs

LED	Description
Router Link 	This LED indicates the connection between the extender and the router or access point: • **Solid green**. Best connection. • **Solid amber**. Good connection. • **Solid red**. Poor connection. • **Off**. No connection.
Device Link 	This LED indicates the connection between the extender and a computer or WiFi device: • **Solid green**. Best connection. • **Solid amber**. Good connection. • **Solid red**. Poor connection. • **Off**. No connection.

Table 1. Front panel LEDs (continued)

LED	Description
Power POWER	• **Solid amber**. The extender is booting. • **Solid green**. The extender is powered on. • **Off**. The extender is powered off.
WPS WPS	• **Solid green**. WiFi security is enabled (WPA or WPA2). • **Blinking green**. A WPS connection is being established. • **Off**. WiFi security is not enabled.

When to Use Your Extender

We recommend that you connect through the extender network only when the WiFi device is in a “dead zone” where connection from the existing network is poor or nonexistent. Data traffic routed through the extender is inherently slower than traffic routed directly from the network.

How the Extender Works

The extender works like a bridge between a WiFi router (or a WiFi access point) and a WiFi device outside the range of the WiFi router. The extender performs two main jobs:

- The extender connects to a working WiFi network.

  When the extender connects over WiFi to an existing network, it functions as a network client, similar to how a WiFi device connects to a network.

- The extender acts as an access point for WiFi devices.

  The extender broadcasts its own WiFi network that WiFi devices can join. In its role as an access point, the extender performs tasks that WiFi routers do, such as broadcasting its network name (SSID).

The extender must do each of these jobs so that both ends of the bridge are in place.

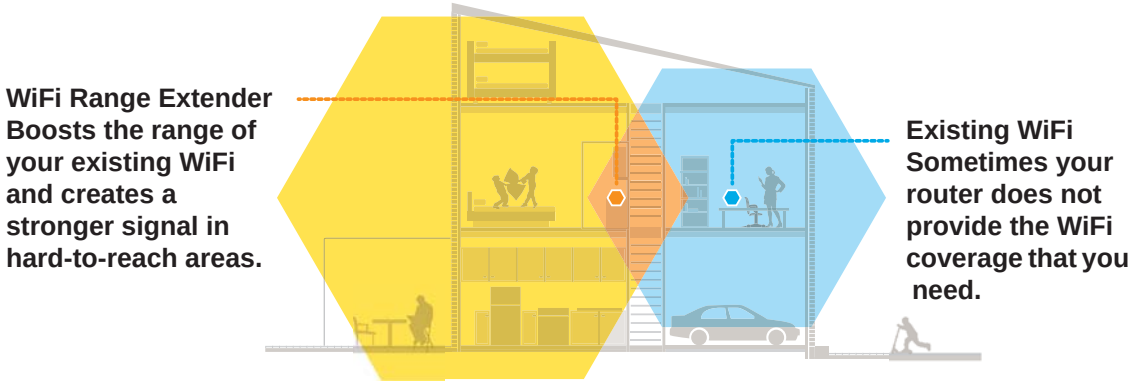


Figure 2. Range extender in a home

Get Started

2

This chapter covers the following topics:

- *Use the Extender*
- *Log In to the Extender After Installation*
- *Run Smart Setup Installation*

Use the Extender

The extender repeats the signals from an existing WiFi router or access point. Place the extender, apply power, and connect it to your WiFi network.

Place the Extender and Apply Power

➢ **To place the extender and apply power:**

1. Place your extender in the same room as your WiFi router.

   Proximity to the WiFi router is required only during the initial setup process.

2. Plug the extender into an electrical outlet.
3. Wait for the Power LED to light amber and then turn green.

   If the Power LED does not light, press the **Power On/Off** button on the side of the extender.

Connect to an Existing WiFi Network

To extend the range of your WiFi network, you must connect the extender to your existing WiFi network. You can do this in one of two ways:

- **Connect with WPS**. For more information, see *Connect With WPS* on page 9.
- **Connect with web browser setup**. For more information, see *Connect With Web Browser Setup* on page 10.

Connect With WPS

Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password.

Note: WPS does not support WEP network security. If you are using WEP security, follow the instructions in *Connect With Web Browser Setup* on page 10.

➢ **To use WPS to connect the extender to your WiFi router:**

1. Press the **WPS** button on the side panel of the extender.

   The WPS LED blinks.

2. Within two minutes, press the **WPS** button on your router or access point.

   The WPS LED on the extender lights solid green, the Router Link LED lights, and the extender connects to your existing WiFi network.

If the Router Link LED does not light, try again. If it still does not light, see *Connect With Web Browser Setup* on page 10.

3. If your WiFi router supports the 5 GHz band, repeat Steps 1 and 2 to connect the extender to the 5 GHz band.
4. Find the new extender network name on your computer or WiFi device.

   The extender creates two new extended WiFi networks. The extender's new WiFi network name is based on your existing WiFi network name, with _EXT at the end of the name.

   For example:

   - **Existing WiFi network name**. MyNetworkName
   - **New extended network name**. MyNetworkName_EXT
5. Connect your computer or WiFi devices to the new extended WiFi network.

   Use the same WiFi password that you use for your WiFi router.
6. Unplug the extender and move it to a new location closer to the area with a poor WiFi signal.

   The location that you choose must be within the range of your existing WiFi router network.
7. Plug the extender into an electrical outlet.
8. Wait for the Power LED to light amber and then turn green.

   If the Power LED does not light, press the **Power On/Off** button on the side of the extender.
9. Use the Router Link LED on the front panel to help you choose a spot where the extender-to-router connection is optimal.

Connect With Web Browser Setup

You can use a web browser to log in to the extender and set up its WiFi connection to your existing WiFi router.

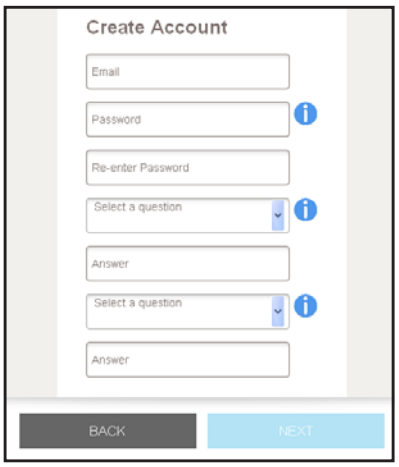
➢ **To use a web browser to connect the extender to your WiFi router:**

1. Use a WiFi network manager on a computer or WiFi device to find and connect to the extender WiFi network NETGEAR_EXT.

   After the connection with the computer or WiFi device is established, the Device Link LED lights.
2. Launch web browser.
3. Enter **www.mywifiext.net** in the address field of the browser.

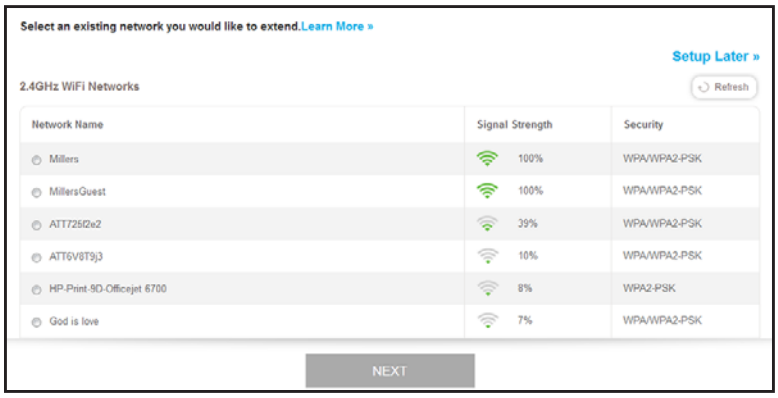
   The New Extender Setup page displays.

4. Click the **NEW EXTENDER SETUP** button.



The first time that you log in to the extender, the Create Account page displays. If the Create Account page does not display, visit **www.mywifiext.net**.

5. Complete the fields and click the **NEXT** button.



6. Select a WiFi network to extend and click the **NEXT** button.
7. In the **Password (Network Key)** field, type the existing WiFi network password (also called passphrase or security key) and click the **NEXT** button.
8. Set the network name (SSID) and password for your new extender WiFi network and click the **NEXT** button.

   Wait for the page to display a list of available extended WiFi networks, which might take up to one minute.

9. Connect the computer or WiFi device to the new extended WiFi network using the extender SSID and password that you created in Step 8.

   Note: To connect additional devices, repeat Step 9.

10. Make sure that your computer or WiFi device is connected before you click the **Continue** button.
11. Click the **Continue** button.

A message displays confirming that the extender is connected and ready.

12. Click the **Next** button.

    The registration page displays.

13. Complete the registration fields and click the **Finish** button to complete the setup.

    If you do not want to register your extender, click the **Skip Registration** link. Note that you must register your extender before you can use NETGEAR telephone support.

    The Status page displays.

14. Unplug the extender and move it to a new location that is about halfway between your router and the area with a poor router WiFi signal.



    The location that you choose must be within the range of your existing WiFi router network.

15. Plug the extender into an electrical outlet and wait for the Power LED to light green.

    If the Power LED does not light, press the **Power On/Off** button.

16. Use the Router Link LED to help you choose a spot where the extender-to-router connection is optimal.
17. If the Router Link LED doesn't light amber or green, plug the extender into an outlet closer to the router and try again.

    Keep moving the extender to outlets closer to the router until the Router Link LED lights amber or green.

18. Reconnect your computer or WiFi device to the new extended WiFi network.
19. Test the extended WiFi range by moving your computer or WiFi device to the area with a poor router WiFi signal:
    a. Leave your computer or WiFi device in the area with a poor router WiFi signal and return to the extender.
    b. Check the Device Link LED on the extender:
       - If the Device Link LED is solid green or amber, your extended WiFi network reaches the area with a poor router WiFi signal and your network setup is complete.
       - If the Device Link LED is red, your extended WiFi network does not reach the area with a poor router WiFi signal.

         You must move the computer or WiFi device closer to the extender until the Device Link LED turns solid green or amber.

Connect an Ethernet-Enabled Device

After the extender is connected to your existing WiFi network, you can connect a wired device to the extender using an Ethernet cable. The device can then access your existing network through the extender's WiFi connection.

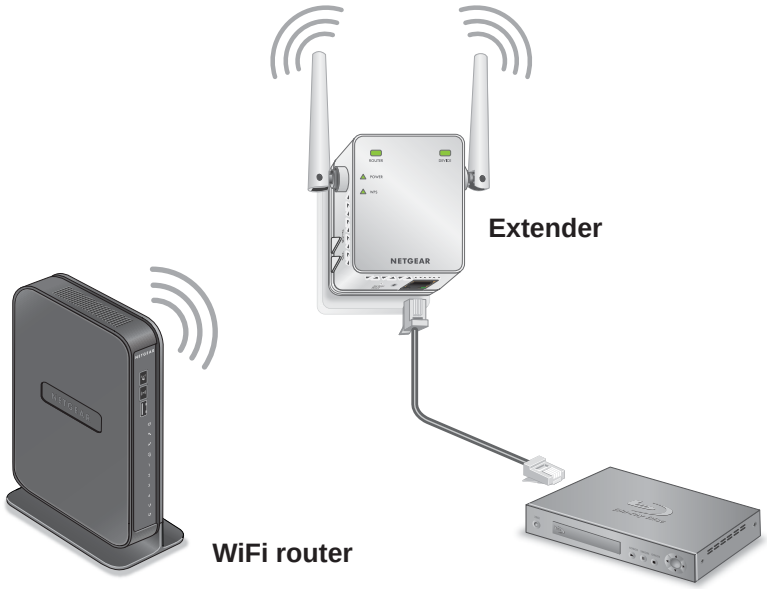


Figure 3. You can connect a device to the extender's Ethernet port

Log In to the Extender After Installation

After installation, you can log in to the extender to view or change the extender's settings.

➢ **To log in to the extender:**

1. Use a WiFi network manager on a computer or WiFi device to find and connect to the new extended WiFi network.

   After the connection with the computer or WiFi device is established, the Device Link LED lights solid green.

2. Launch a web browser.
3. Enter **www.mywifiext.net** in the address field of the browser.

   A login window opens.

4. Enter your email address and password and click the **LOG IN** button.

   The Status page displays.

Run Smart Setup Installation

You can use Smart Setup to change the extender settings. This is an easy way to connect the extender to a different router or to change the extender WiFi network name (SSID) or WiFi password.

➢ **To run Smart Setup:**

1. Use a WiFi network manager on a computer or WiFi device to find and connect to the new extended WiFi network.

   After the connection with the computer or WiFi device is established, the Device Link LED lights solid green.

2. Launch a web browser.
3. Enter **www.mywifiext.net** in the address field of the browser.

   A login window opens.

4. Enter your email address and password and click the **LOG IN** button.

   The Status page displays.

5. Click the **SMART SETUP** button.

   The extender scans for WiFi signals and finds the WiFi networks in your area and displays a list.

6. Select your WiFi network and click the **NEXT** button.
7. When prompted, enter the password to connect to your WiFi network and click the **NEXT** button.

   A message displays when the extender connects to your existing router's WiFi network.

8. Click the **NEXT** button.

   The extender applies your settings to its WiFi network names and WiFi passwords. During this change, the extender disconnects you from its WiFi network.

9. When prompted, connect your WiFi devices to the extender WiFi network and click the **CONTINUE** button.

   The registration page displays.

10. Complete the registration fields and click the **FINISH** button to complete the setup.

    If you do not want to register your extender, click the **Skip Registration** link. Note that you must register your extender before you can use NETGEAR telephone support.

    The Status page displays.

Extender Network Settings

3

This chapter covers the following topics:

- *View Connected Devices*
- *View WiFi Settings*
- *Change the WiFi Network Name*
- *Turn Off the SSID Broadcast to Create a Hidden Network*
- *Disable or Enable the WiFi Radio*
- *Change the WiFi Speed*
- *Customize the Extender's WiFi Coverage Area*
- *Use WPS to Add a Computer to the Extender's WiFi Network*
- *Deny Access to a Computer or WiFi Device*
- *Set Up an Access Schedule*
- *Set Up the Extender to Use a Static IP Address*
- *Use the Extender With MAC Filtering or Access Control*

View Connected Devices

You can view a list of devices that are connected to the extender network.

➢ **To view connected devices:**

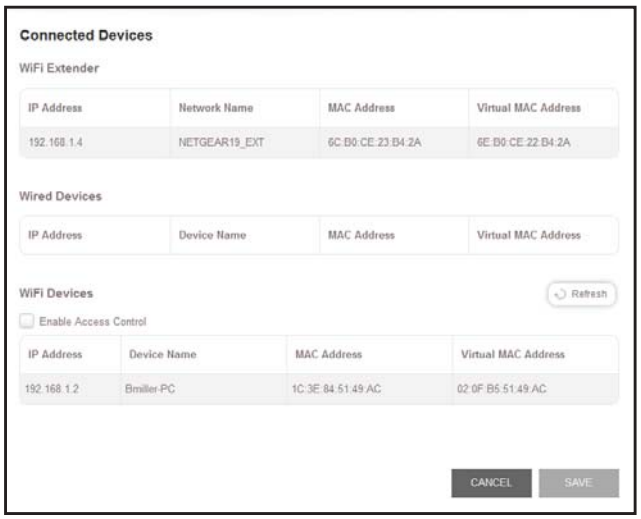
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > Connected Devices**.



View WiFi Settings

➢ **To view the WiFi settings:**

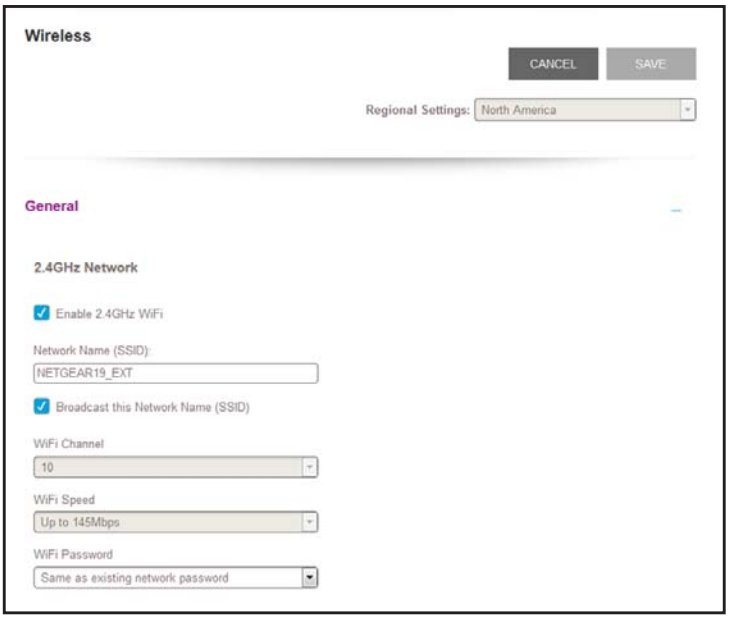
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi**.



Change the WiFi Network Name

➢ **To change the WiFi network name:**

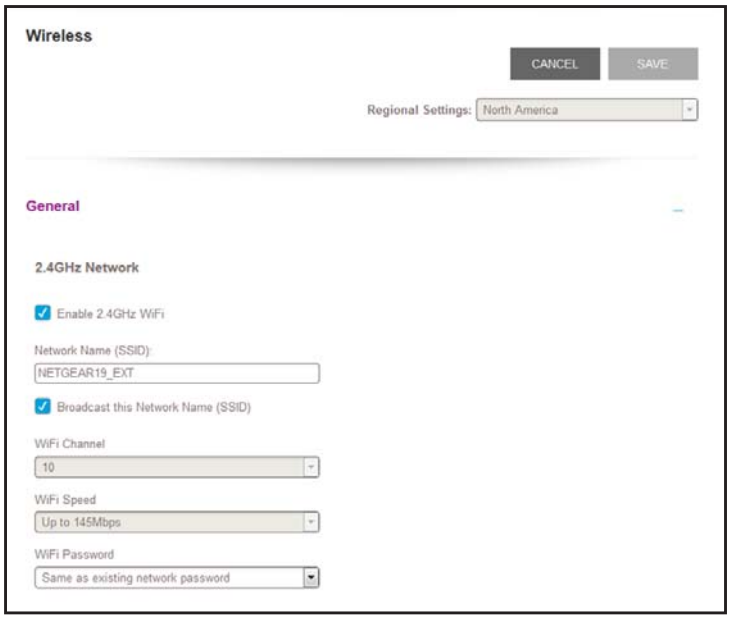
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi**.



6. In the **Network Name (SSID)** field, type a network name.
7. Click the **SAVE** button.

   Your settings are saved.

Turn Off the SSID Broadcast to Create a Hidden Network

By default, the extender broadcasts its WiFi signal so that its WiFi network name (SSID) is easy for you to find and connect to from your computer, tablet, or smartphone. You can turn off the SSID broadcast to create a hidden WiFi network. To connect to a hidden network you must know its SSID and password and manually enter them.

➢ **To turn off the SSID broadcast to create a hidden network:**

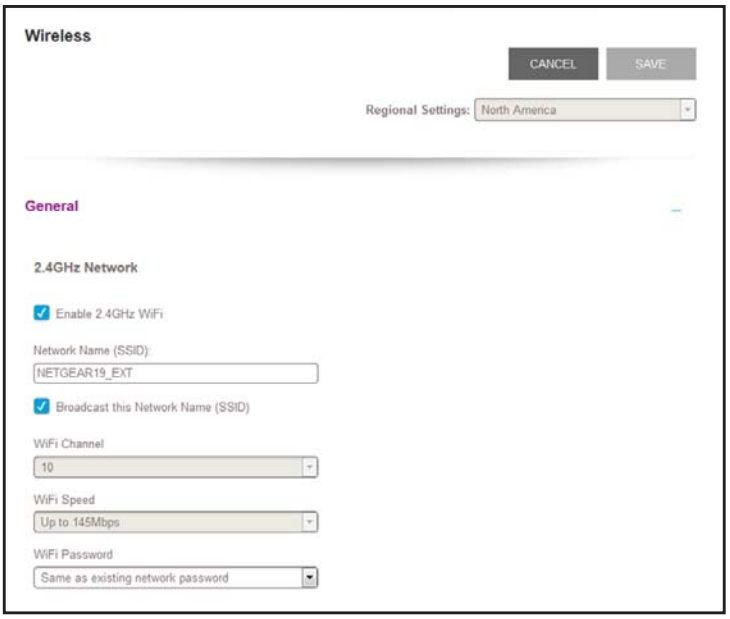
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi**.



6. Clear the **Broadcast the Network name (SSID)** check box.
7. Click the **SAVE** button.

   Your settings are saved.

Disable or Enable the WiFi Radio

By default, the extender's WiFi radio broadcasts signals in the 2.4 GHz band. If you disable the WiFi radios, then no one can connect with WiFi to the extender.

➢ **To disable or enable the WiFi radio:**

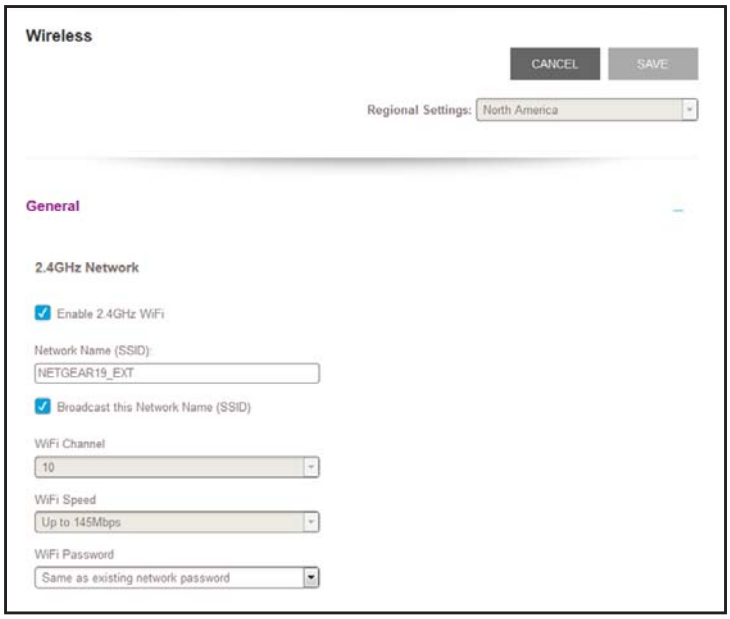
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi**.



6. Select or clear the **Enable 2.4 GHz WiFi** check box.
7. Click the **SAVE** button.

   Your settings are saved.

Change the WiFi Speed

➢ **To change the WiFi speed:**

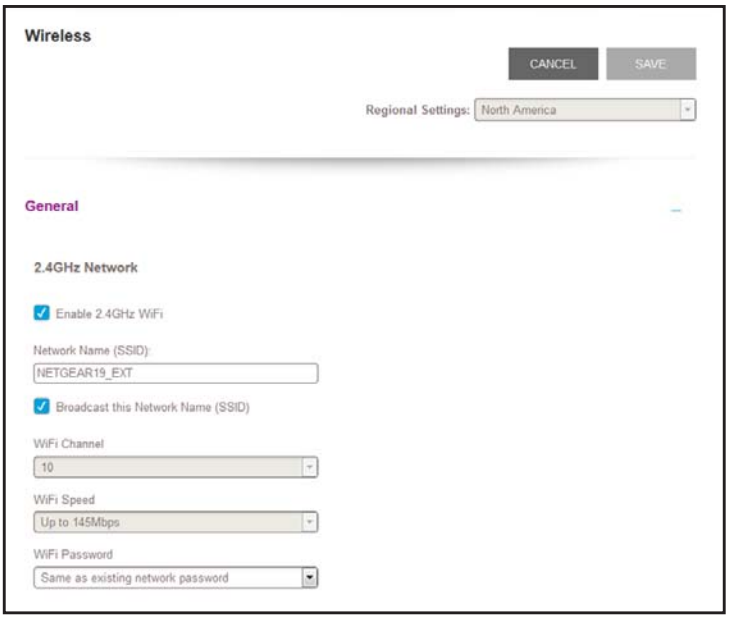
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi**.



6. In the **WiFi Speed** menu, select a speed.
7. Click the **SAVE** button.

   Your settings are saved.

Customize the Extender's WiFi Coverage Area

By default, the extender uses its maximum WiFi coverage area. You can select a smaller coverage area, which uses less electrical power.

➢ **To customize the extender's WiFi coverage area:**

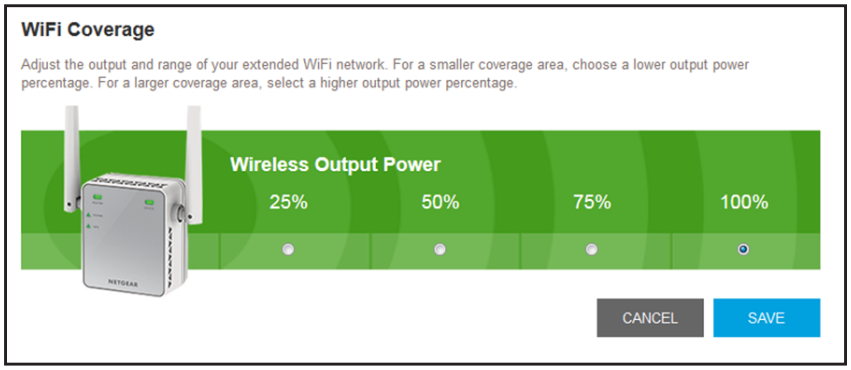
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Do More > WiFi Coverage**.



6. Select a radio button for the output power.
7. Click the **SAVE** button.

   Your settings are saved.

Use WPS to Add a Computer to the Extender's WiFi Network

WPS (WiFi Protected Setup) lets you connect a computer or WiFi device to the extender's network without entering the WiFi network passphrase or key. Instead, you use a **WPS** button or enter a PIN to connect.

If you use the button method, the WiFi device that you are trying to connect must include a physical push button or a software button. If you use the PIN method, you must know the PIN of the WiFi device that you are trying to connect.

WPS supports WPA and WPA2 WiFi security. If your extender network is open (no WiFi security is set), connecting with WPS automatically sets WPA + WPA2 WiFi security on the extender network and generates a random passphrase. You can view this passphrase on the WiFi Settings page (for more information, see *View WiFi Settings* on page 16).

For information about using WPS to connect the extender to a WiFi network during setup, see *Use WPS to Add a Computer to the Extender's WiFi Network* on page 22.

Use WPS With the Push Button Method

For you to use the push button method to connect a WiFi device to the extender's WiFi network, the WiFi device that you are trying to connect must include a physical **WPS** button or an onscreen **WPS** button that you can click.

➢ **To use WPS to add a computer or WiFi device to the extender's WiFi network:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.

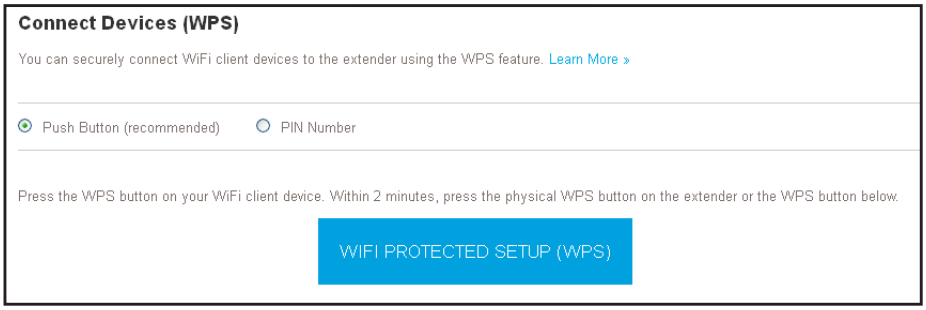
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > Do More > Connect Devices (WPS)**.



6. Leave the **Push Button (recommended)** radio button selected.
7. Click the **WIFI PROTECTED SETUP (WPS)** button.

   For two minutes, the extender attempts to add the computer or WiFi device to its WiFi network.

8. Within two minutes, go to the computer or WiFi device and press or click its **WPS** button.
9. To verify that the WiFi device is connected to the extender's WiFi network, select **Settings > Connected Devices**.

   The WiFi device displays onscreen.

Use WPS With the PIN Method

To use the PIN method to connect a WiFi device to the extender's WiFi network, you must know the PIN of the WiFi device that you are trying to connect.

➢ **To add a computer or WiFi device to the extender's WiFi network:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

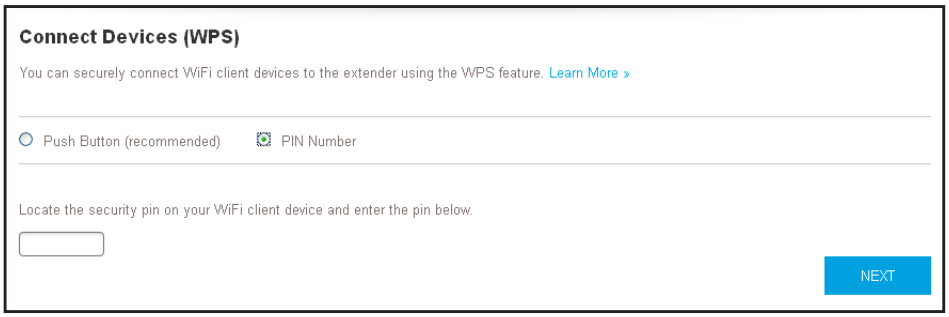
4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > Do More > Connect Devices (WPS)**.

The Connect Devices (WPS) page displays.

6. Select the **PIN Number** radio button.



7. Type the PIN of the WiFi device in the field.
8. Click the **NEXT** button.

   For four minutes, the extender attempts to find the computer or WiFi device.
9. Within four minutes, go to the WiFi device and use its WPS software to join the WiFi network.
10. To verify that the WiFi device is connected to the extender's WiFi network, select **Settings > Connected Devices**.

    The WiFi device displays onscreen.

Deny Access to a Computer or WiFi Device

By default, access control is disabled so that it is easy for you to connect to the extender's WiFi networks.

You can deny network access to specific computers and WiFi devices based on their MAC addresses. Each network device is assigned a MAC address, which is a unique 12-character physical address, containing the hexadecimal characters 0–9, a–f, or A–F only, and separated by colons (for example, 00:09:AB:CD:EF:01). Typically, the MAC address is on the label of the WiFi device. If you cannot access the label, you can display the MAC address using the network configuration utilities of the computer. You might also find the MAC addresses on the Connected Devices page (see *View Connected Devices* on page 16).

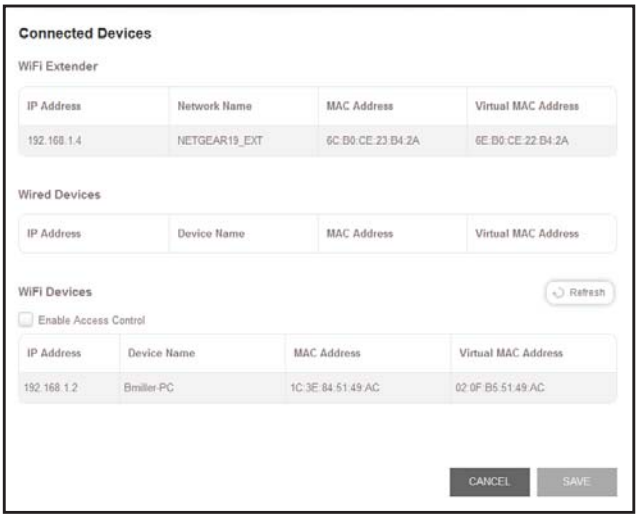
➢ **To use WiFi access control to deny access:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.
4. If your browser displays the **Menu** icon ☰, click it.

The extender menu displays.

5. Select **Settings > Connected Devices**.



6. In the WiFi Devices section, select the **Enable Access Control** check box.

   The WiFi devices table displays the names and MAC addresses of WiFi devices that are connected to the extender.

7. Select the **Deny** check box for the device.
8. Click the **SAVE** button.

   Your settings are saved and that device cannot connect to the extender's WiFi network.

Set Up an Access Schedule

You can control access to all users during specific periods of the day. You can set up an access schedule that prevents Internet access through the extender network based on the times that you set.

➢ **To set up an access schedule:**

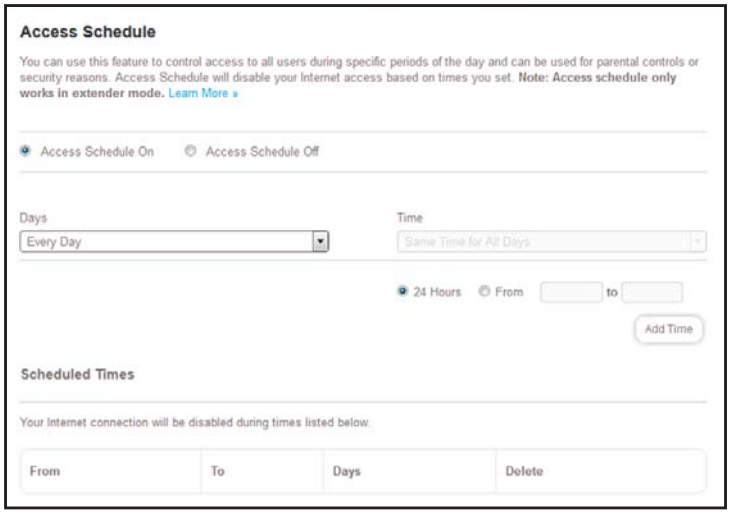
1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Do More > Access Schedule**.



6. Select the **Access Schedule On** radio button.

   The page adjusts.

7. In the **Days** menu and the **Time** menu, select the days and time when you want to disable Internet access.
8. Click the **Add Time** button to add the time that you specified to the Scheduled Times table.
9. Click the **SAVE** button.

   Your settings are saved.

Set Up the Extender to Use a Static IP Address

The extender comes set up to use a dynamic IP address, which is the correct setting for most home networks.

➢ **To set up the extender to use a static IP address:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

   The Status page displays.

4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > WiFi Settings**.

   The WiFi Settings page displays.

6. Scroll down and click the **IP Address** heading to expand the IP address settings.



   By default, the **Dynamically get IP Address from Router** radio button is selected.

7. Select the **Use Static IP Address** radio button.
8. Complete the fields to specify the IP network IP addresses.
9. Click the **SAVE** button.

   Your settings are saved.

Use the Extender With MAC Filtering or Access Control

When the WiFi device connects through the extender to your router, the MAC address of the WiFi device shown on the router is translated to another MAC address. If your router's MAC filter, WiFi access control, or ACL is enabled, the WiFi device connects to the extender but cannot get an IP address from the extender and cannot access the Internet. To allow the WiFi device to receive an IP address from the extender and access the Internet, you must provide the translated MAC address to the router.

➢ **To add a translated MAC address to your router:**

1. Log in to your router and disable the MAC filter, WiFi access control, or ACL.

   For more information about how to disable your router’s MAC filter, WiFi access control, or ACL, see your router’s documentation.

2. Power on the extender and connect all of your WiFi devices to the extender.
3. Make sure that the Link Rate LED remains lit.
4. Log in to your extender:
   a. Launch a web browser.
   b. Enter **www.mywifiext.net** in the address field of the browser.

      A login window opens.

   c. Enter your email address and password and click the **LOG IN** button.
5. Select **Settings > Connected Devices**.

   The Connected Devices section displays the MAC addresses and virtual MAC addresses for computers and WiFi devices that are connected to the extender network.

6. On the router, add the extender's virtual MAC address and all the virtual MAC addresses connected to the extender network to your router's MAC filter table.
7. Enable the router's MAC filter, WiFi access control, or ACL.

Maintain and Monitor the Extender

4

This chapter covers the following topics:

- *Change the Extender User Name and Password*
- *Turn Password Protection Off and On*
- *Recover a Forgotten User Name or Password*
- *Automatically Adjust for Daylight Saving Time*
- *Manually Set the Extender Clock*
- *Back Up and Manage the Extender Configuration*
- *Back Up the Configuration Settings*
- *Return the Extender to Its Factory Default Settings*
- *Update the Firmware*
- *Restart the Extender Remotely*

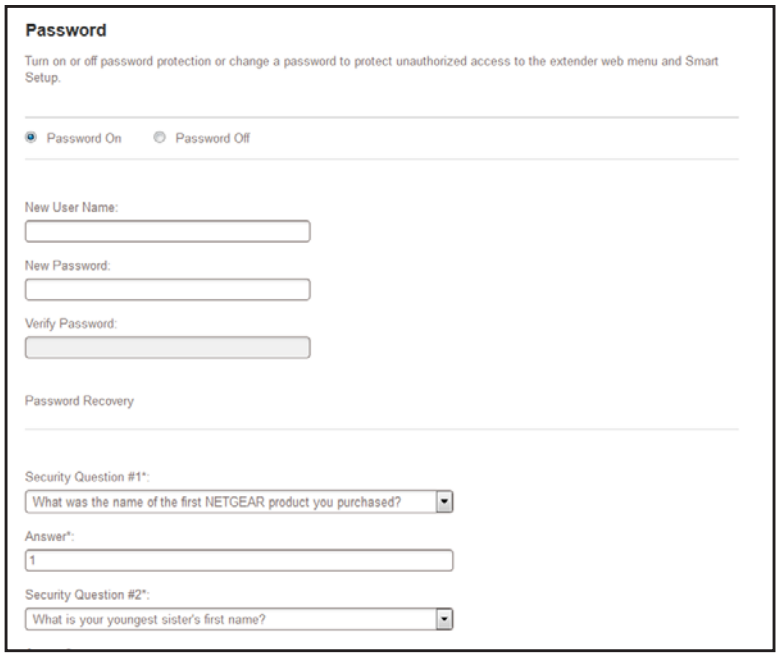
Change the Extender User Name and Password

You can change the user name and password to log in to the extender.

➢ **To add an extender user:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.
5. Select **Settings > Password**.



6. In the **New User Name** field, type an email address.
7. Type the password in the **New Password** field and the **Verify Password** field.
8. Select questions and enter the answers.
9. Click the **SAVE** button.

   Your settings are saved.

Turn Password Protection Off and On

We recommend that you leave password protection on to help keep your network secure. You can turn password protection off and on.

➢ **To turn password protection off or on:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.
5. Select **Settings > Password Settings**.

   The Password Settings page displays.
6. Select the **Password Off** or **Password On** radio button.
7. Click the **SAVE** button.

   Your settings are saved.

Recover a Forgotten User Name or Password

If you changed the password to access the extender and set up password recovery, you can recover your password if you lose it.

➢ **To recover your password to access the extender:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.

   You are prompted to enter a user name and password.
3. Click the **Username & Password Help** link.

   A page displays requesting the answers to your security questions.

   If you forgot the answers to your security questions, restore the extender's factory settings and set up your login credentials again. See *Return the Extender to Its Factory Default Settings* on page 34 and *Chapter 2, Get Started*.
4. Enter the saved answers to your security questions.
5. Click the **NEXT** button.

   Your email and password are displayed.
6. Click the **BACK** button.

A login window opens.

7. Log in to the extender.

Automatically Adjust for Daylight Saving Time

➢ **To set up the extender to automatically adjust for daylight saving time:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.
5. Select **Do More > Access Schedule**.

   The Access Schedule page displays.
6. Select the **Automatically adjust for daylight savings** time check box.
7. Click the **SAVE** button.

   Your settings are saved.

Manually Set the Extender Clock

➢ **To manually set the extender clock:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.
5. Select **Do More > Access Schedule**.

   The Access Schedule page displays.
6. In the Extender Clock section, select the **Manual** radio button.
7. To specify the time, complete the fields or click the **Sync Clock** button to synchronize the extender time to the time on the computer or WiFi device that you are using.
8. Click the **SAVE** button.

   Your settings are saved.

Back Up and Manage the Extender Configuration

When the extender works correctly after initial setup, we recommend that you back up the extender configuration settings. After you back up the settings, if you change the extender configuration settings but are not content with the new settings, you can restore the extender configuration to the backed-up settings.

Back Up the Configuration Settings

You can back up the configuration file of the extender.

➢ **To back up the extender configuration settings:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.
5. Select **Settings > Other Settings**.



6. Click the **BACKUP** button.

   Your browser extracts the configuration file from the extender. By default, the name of the backup file is `NETGEAR_EX2700.cfg`.
7. If your browser is not set up to save downloaded files automatically, locate where you want to save the file.

Restore the Configuration Settings

You can restore the configuration file of the extender to a previously saved configuration file.

➢ **To restore the extender configuration settings:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.

4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.

5. Select **Settings > Other Settings**.



6. Click the **BROWSE** button.
7. Locate and select the previously saved backup file.

   By default, the name of the backup file is `NETGEAR_EX2700.cfg`.

CAUTION:

After you click the **RESTORE** button, do not try to go online, turn off the extender, shut down the computer, or do anything else to the extender until it finishes restarting.

8. Click the **RESTORE** button.

   A confirmation pop-up window opens.

9. Confirm your decision.

   The extender configuration is restored and the extender restarts. This process takes about one minute.

Return the Extender to Its Factory Default Settings

Under some circumstances (for example, if you lose track of the changes that you made to the extender settings), you might want to erase the configuration and reset the extender to factory default settings.

To reset the extender to factory default settings, you can either use the **Factory Reset** button or log in to the extender and reset it.

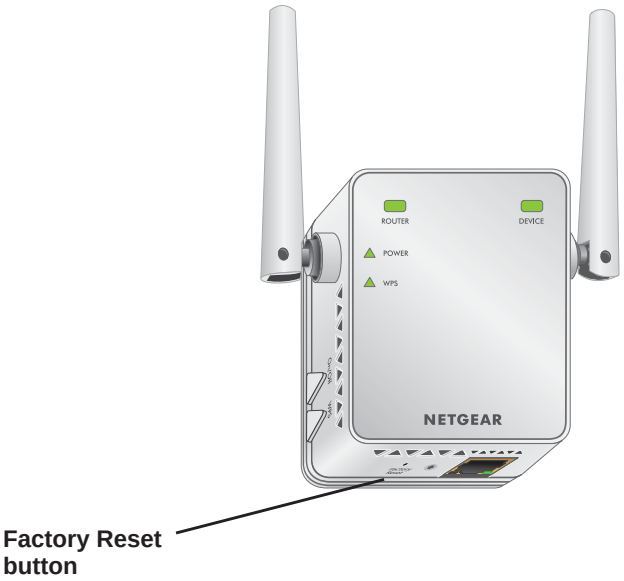
For a list of factory default settings, see *Factory Default Settings* on page 43.

➢ **To use the Factory Reset button to return the extender to factory default settings:**

CAUTION:

This process erases any settings that you configured in the extender.

1. Insert a straightened paper clip into the hole of the **Factory Reset** button and hold it for about seven seconds.



2. Release the button.

CAUTION:

Do not try to go online, turn off the extender, shut down the computer, or do anything else to the extender until it finishes restarting.

The extender resets and restarts. This process takes about one minute.

➢ **To log in to the extender and reset the extender's to factory settings:**

CAUTION:

This process erases any settings that you configured in the extender.

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.

5. Select **Settings > Other Settings**.



CAUTION:

After you click the **RESET** button, do not try to go online, turn off the extender, shut down the computer, or do anything else to the extender until it finishes restarting.

6. Click the **Factory Reset** button.

   A confirmation pop-up window opens.

7. Confirm your decision.

   The extender returns to its factory settings and restarts. This process takes about one minute.

Update the Firmware

Unless you changed the settings in the Firmware Update page previously, the extender is set up to check for new firmware automatically at login.

➢ **To check manually for new firmware and, if available, update the firmware:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon ☰, click it.

   The extender menu displays.

5. Select **Settings > Firmware Update**.



6. Click the **CHECK ONLINE** button.
7. If new firmware is available, follow the onscreen prompts to download it onto your computer.

   Note: You might need to unzip the firmware file.

8. Click the **BROWSE** button.
9. Locate and select the new firmware file.

   The firmware file name ends with a `.img` extension.

CAUTION:

After you click the **UPLOAD** button, do not try to go online, turn off the extender, shut down the computer, or do anything else to the extender until it finishes restarting.

10. Click the **UPLOAD** button.

    The firmware update starts and the extender restarts. The firmware update process takes a couple of minutes.

Restart the Extender Remotely

You can log in to the extender and restart it. When the extender restarts, all computers and WiFi devices that are connected to its WiFi network are automatically disconnected.

➢ **To restart the extender remotely:**

1. On a computer or WiFi device that is connected to the extender network, launch a web browser.
2. In the address field of your browser, enter **www.mywifiext.net**.
3. When prompted, enter your email address and password.
4. If your browser displays the **Menu** icon , click it.

   The extender menu displays.

5. Select **Settings > Other Settings**.

The Other Settings page displays.

6. Click the **RESTART** button and click the **Yes** button to confirm.

   The extender restarts, which takes about two minutes.

5 FAQs and Troubleshooting

This chapter covers the following topics:

- *FAQs*
- *Cannot Connect to the Extender*
- *Cannot Join a WiFi Network and Receive an Error Message*

FAQs

This section provides answers for difficulties you might experience with the extender.

I forgot my login email address and password. What can I do?

In the login window, click the **Username & Password Help** link to answer the security questions that you set up during the initial setup.

If you forgot the answers to your security questions, do the following to set up your login credentials again:

1. Restore the extender to its factory default settings.
2. Launch a web browser.
3. Enter **www.mywifiext.net** in the address field of the browser.

   The New Extender Setup page displays.
4. Click the **NEW EXTENDER SETUP** button.
5. When prompted, complete the fields on the page to set up your login credentials again.

Can I connect the extender to the router or access point with an Ethernet cable?

No. The extender is designed to use WiFi to connect to the router or access point.

The web browser setup keeps asking me for my network password (passphrase) or security key, and I am sure that I entered the correct password. What can I do?

The extender is probably placed at the borderline of the range covered by the router or access point.

If you are using WEP security, make sure that you are typing the network password in the correct field.

I am connected to the extender network and I launched a browser. Why can’t I see the web browser setup?

Try these troubleshooting steps:

- Make sure that your computer is set up to use DHCP (most are).
- Make sure that the Device Link LED is green and that you are using a valid IP address.
- Relaunch the web browser and type **www.mywifiext.net** in the address field. Type your email address and password and click the **LOG IN** button.

Cannot Connect to the Extender

If you cannot connect to the extender, determine what prevents you from connecting:

- If you forgot your user name or password, click the **Username & Password Help** link. For more information, see *FAQs* on page 40.
- If your browser displays an error page, include **http://** in the address field of your browser by typing **http://www.mywifiext.net**.
- If you already set up the extender but can no longer connect to it over WiFi, check to see if the Device Link LED is off or red.
- If you cannot get a WiFi connection working, you can use an Ethernet cable to connect your computer to the extender.

Cannot Join a WiFi Network and Receive an Error Message

To join a WiFi network, you must know its network name (also called the SSID) so that you can select it. If the network is secure, you must know the passphrase or key. If the extender does not connect to the network that you select, the cause might be one of the following:

- It is possible that you typed the network name, passphrase, or key incorrectly. Use Smart Setup (see *Run Smart Setup Installation* on page 14) to select a WiFi network and retype the passphrase or key. The passphrase or key is case-sensitive. For example, PASSWORD25 is not the same as Password25 or password25.
- If the extender cannot detect your WiFi network, check to see if your WiFi network is still working. Make sure that the WiFi router is turned on. If possible, move the extender closer to the WiFi router.
- If the extender Device Link LED is red, the WiFi connection between the WiFi router and the extender is poor. You can establish the best connection with a clear line of sight between the extender and the WiFi router. Make sure that no physical obstacles exist between the extender and the WiFi router, and try to move the extender closer to the WiFi router.

If you use Smart Setup, and the extender does not connect to the WiFi router, does not connect to the Internet, or cannot get an IP address from the WiFi router, Smart Setup displays a message to notify you that the extender is not configured.

To run Smart Setup again, click the **YES** button. To manually configure the extender, click the **NO, CONFIGURE MANUALLY** button.

Supplemental Information

A

This appendix includes the following sections:

- *Factory Default Settings*
- *Technical Specifications*

Factory Default Settings

The following table includes the factory settings for the extender. You can use the **Factory Reset** button or the Erase feature to return the extender to these settings. (See *Return the Extender to Its Factory Default Settings* on page 34.)

Table 2. Factory settings

Feature	Setting
Setup Wizard	Enabled
WiFi communication	Enabled
WiFi network name (SSID)	NETGEAR_EXT
Security	Disabled
Transmission speed	Auto[1]
Country/region	Varies by region
Operating mode	802.11n, 802.11g, 802.11b
Data rate	Up to 300 Mbps
DHCP	Client enabled

1. Maximum WiFi signal rate (IEEE Standard 802.11). Actual throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Technical Specifications

The following table includes the product specifications.

Table 3. Technical specifications

Extender Specifications	
Network protocol and standards compatibility	Data and routing protocols: TCP/IP, DHCP server and client, DNS relay
Physical specifications	• Dimensions: 67 x 55 x 34 mm (2.64 x 2.17 x 1.34 in.) • Weight: 98 g (3.46 oz)
Environmental	• Operating temperature: 32° to 140°F (0° to 40°C) • Operating humidity: 90% maximum relative humidity, noncondensing • Electromagnetic emissions: Meets requirements of FCC Part 15 Class B.
Interface	• Local: 10BASE-T, 100BASE-Tx, RJ-45 • 802.11n, 802.11g, 802.11b